



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY, FLORIDA  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599

## NOTICE OF ACCEPTANCE (NOA)

[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

Kawneer Company, Inc.  
555 Guthridge Court  
Norcross, GA 30092

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

### DESCRIPTION:

Series "AA900 ISOWEB" Thermal Broken Outswing Aluminum Casement Window - L.M.I.

**APPROVAL DOCUMENT:** Drawing No. 1545, Series titled "AA900 ISOWEB Out-Swing L.M.I. Casement Window", sheets 01 through 06 of 06, dated 07/09/07 with revision "B1", dated 06/27/12, prepared by W. W. Schaefer Engineering & Consulting, P. A., signed and sealed by Warren W. Schaefer, P. E., bearing the Miami-Dade County Product Control Section Revision Stamp with the Notice of Acceptance number and Expiration Date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING:** Large and Small Missile Impact Resistant

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. 12-0813.04 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by Jaime D. Gascon, P. E.



*J. Gascon*  
8/5/14

NOA No. 14-0430.10  
Expiration Date: December 27, 2017  
Approval Date: August 14, 2014  
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.  
*(Submitted under previous NOA No. 07-0810.03)*
2. Drawing No. **1545**, Series titled "AA900 ISOWEB Out-Swing L.M.I. Casement Window", sheets 01 through 06 of 06, dated 07/09/07 with revision "B1", dated 06/27/12, prepared by W. W. Schaefer Engineering & Consulting, P. A., signed and sealed by Warren W. Schaefer, P. E.  
*(Submitted under previous NOA No. 12-0813.04)*

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Small Missile Impact Test per FBC, TAS 201-94  
5) Large Missile Impact Test per FBC, TAS 201-94  
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
7) Forced Entry Test, per FBC 2411.3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram of an outswing Aluminum casement window, prepared by Hurricane Testing Laboratory, LLC, Test Report No. HTL-G049-0301-07, dated 06/06/07, signed and sealed by Vinu J. Abraham, P. E.  
*(Submitted under previous NOA No. 07-0810.03)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 01/05/12, signed and sealed by Warren W. Schaefer, P. E.  
*(Submitted under previous NOA No. 11-1027.07)*
2. Glazing complies with ASTM E1300-98/ 09

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.
2. Notice of Acceptance No. **13-0129.27** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 04/11/13, expiring on 12/11/16.



Jaime D. Gascon, P. E.  
Product Control Section Supervisor  
NOA No. 14-0430.10  
Expiration Date: December 27, 2017  
Approval Date: August 14, 2014

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**E. MATERIAL CERTIFICATIONS (CONTINUED)**

3. Notice of Acceptance No. 12-1231.10 issued to Eastman Chemical Company (MA) for their "Saflex Clear and Color Glass Interlayers" dated 03/28/13, expiring on 05/21/16.
4. Notice of Acceptance No. 12-1231.08 issued to Eastman Chemical Company (MA) for their "Saflex CP – Saflex and Saflex HP Composite Glass Interlayers with PET Core" dated 03/28/13, expiring on 12/11/18.
5. Notice of Acceptance No. 12-1231.09 issued to Eastman Chemical Company (MA) for their "Saflex HP Clear or Color Glass Interlayers" dated 03/28/13, expiring on 04/14/18.
6. Test Report on
  - 1) ASTM G155-00a<sup>1</sup> "Standard Practice for Operating Xenon Arc Apparatus for Exposure of Non-Metallic Materials" accelerated weathering,
  - 2) ASTM D638-03 "Standard Test Methods for Tensile Properties of Plastics",
  - 3) ASTM D635-98 "Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Self-Supporting Plastics in a Horizontal Position",
  - 4) ASTM D2843-99 "Standard Test Method for Density of Smoke from the Burning or Decomposition of Plastics" and
  - 5) ASTM D1929-96 "Standard Test Method for Ignition Properties of Plastics"

along with marked-up drawings and installation diagram of an "Insulbar Tecatherm 66 GF" (Thermal Barrier), issued to Ensinger, Inc., prepared by Architectural Testing, Inc., Test Report No. ATI-06520.02-106-18, dated 12/01/06, signed and sealed by Joseph A. Reed, P. E.

*(Submitted under previous NOA No. 07-0810.03)*

**F. STATEMENTS**

1. Statement letter of conformance to and compliance with the FBC 5<sup>th</sup> Edition (2014), prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 04/14/14 signed and sealed by Warren W. Schaefer, P. E.
2. Statement letter of the exterior sealant change from "DOW Corning InstantGlaze" to "Novaguard SBC40-M170", dated 06/26/12, signed by Warren W. Schaefer, P. E.  
*(Submitted under previous NOA No. 12-0813.04)*
3. Statement letter of conformance and compliance with the FBC-2010 and ANSI/AAMA/ NWWDA 101/ I.S. 2-97, dated 10/10/11 signed and sealed by Warren W. Schaefer, P. E.  
*(Submitted under previous NOA No. 11-1027.07)*



Jaime D. Gascon, P. E.

Product Control Section Supervisor

NOA No. 14-0430.10

Expiration Date: December 27, 2017

Approval Date: August 14, 2014

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**F. STATEMENTS (CONTINUED)**

4. Statement letter of no financial interest and independence, dated 10/10/11, signed and sealed by Warren W. Schaefer, P. E.  
*(Submitted under previous NOA No. 11-1027.07)*
5. Proposal No. **11-0976** issued by Product Control for the change of, or for the addition of the "GE Momentive RGS 7700" exterior sealant, dated 08/30/2011, signed by Manuel Perez, P. E.  
*(Submitted under previous NOA No. 11-1027.07)*
6. Statement letter of conformance, no financial interest, conformance to and compliance with the ANSI/ AAMA/ NWWDA 101/ I.S. 2-97, **FBC-2004** and **FBC-2007** including supplements, dated 07/31/07, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P. E.  
*(Submitted under previous NOA No. 07-0810.03)*
7. Laboratory compliance letter for Test Report No. **ATI-06520.02-106-18**, issued by Architectural Testing, Inc., dated 12/01/06, signed and sealed by Joseph A. Reed, P. E.  
*(Submitted under previous NOA No. 07-0810.03)*
8. Laboratory compliance letter for Test Report No. **HTL-G049-0301-07**, issued by Hurricane Test Laboratory, LLC, dated 06/06/07, signed and sealed by Vinu J. Abraham, P. E.  
*(Submitted under previous NOA No. 07-0810.03)*

**G. OTHERS**

1. Notice of Acceptance No. **12-0813.04**, issued to Kawneer Company, Inc. for their Series "**AA900 ISOWEB Outswing Aluminum Casement Window - L.M.I.**", approved on 10/25/12 and expiring on 12/27/17.



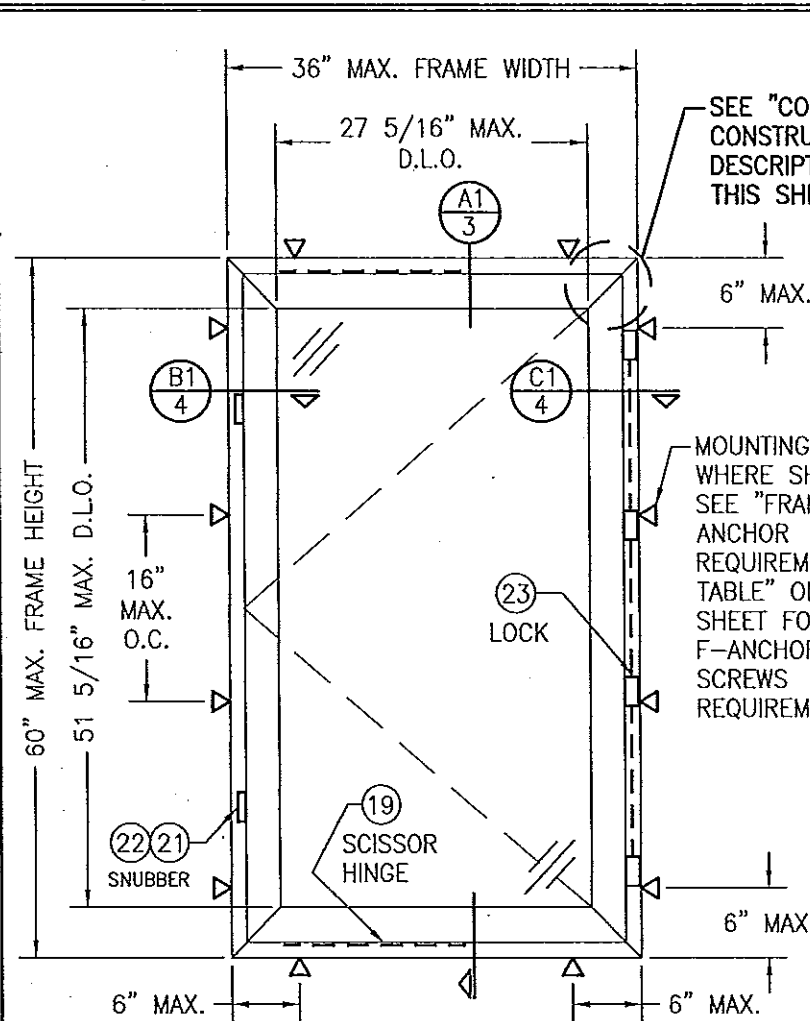
Jaime D. Gascon, P. E.

Product Control Section Supervisor

NOA No. 14-0430.10

Expiration Date: December 27, 2017

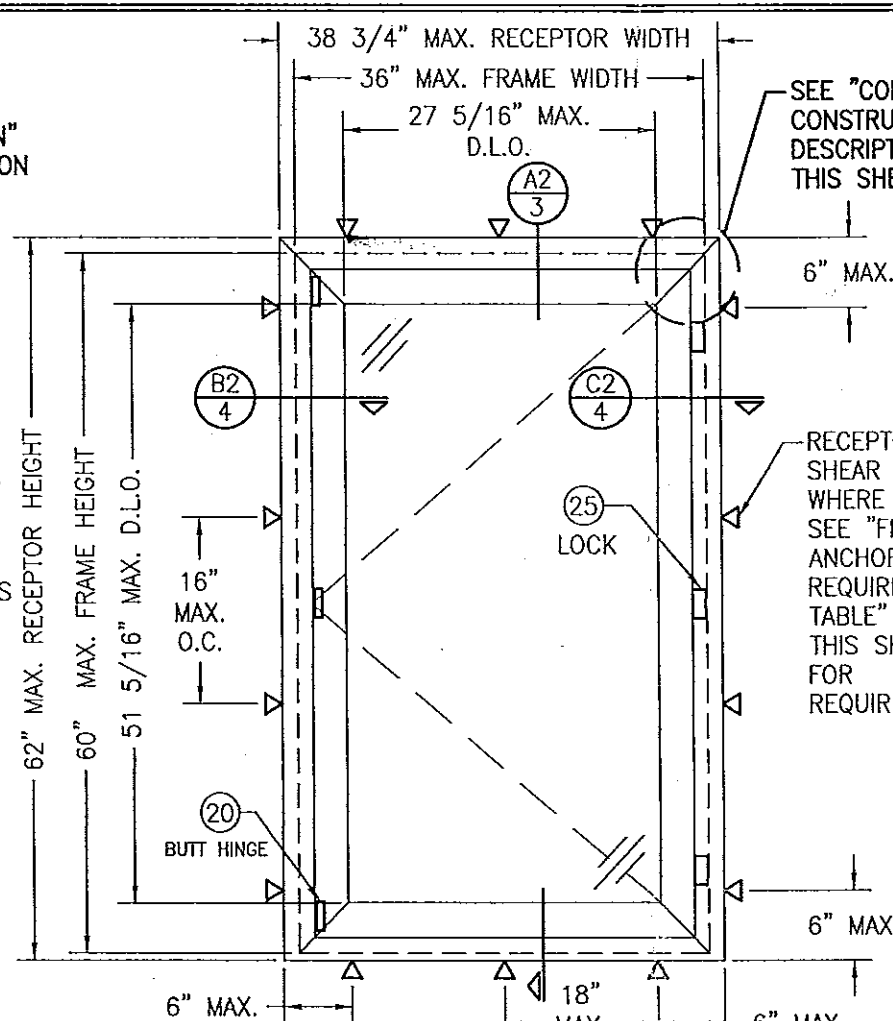
Approval Date: August 14, 2014



**EXTERIOR ELEVATION**  
**SINGLE WINDOW ANCHORED WITH MOUNTING CLIPS**  
 (NO RECEPTOR)

(MULTIPOINT LOCK, SNUBBER & SCISSOR HINGE CONDITION SHOWN. CAMLOCK & BUTT HINGE CONDITION ALSO APPLIES)

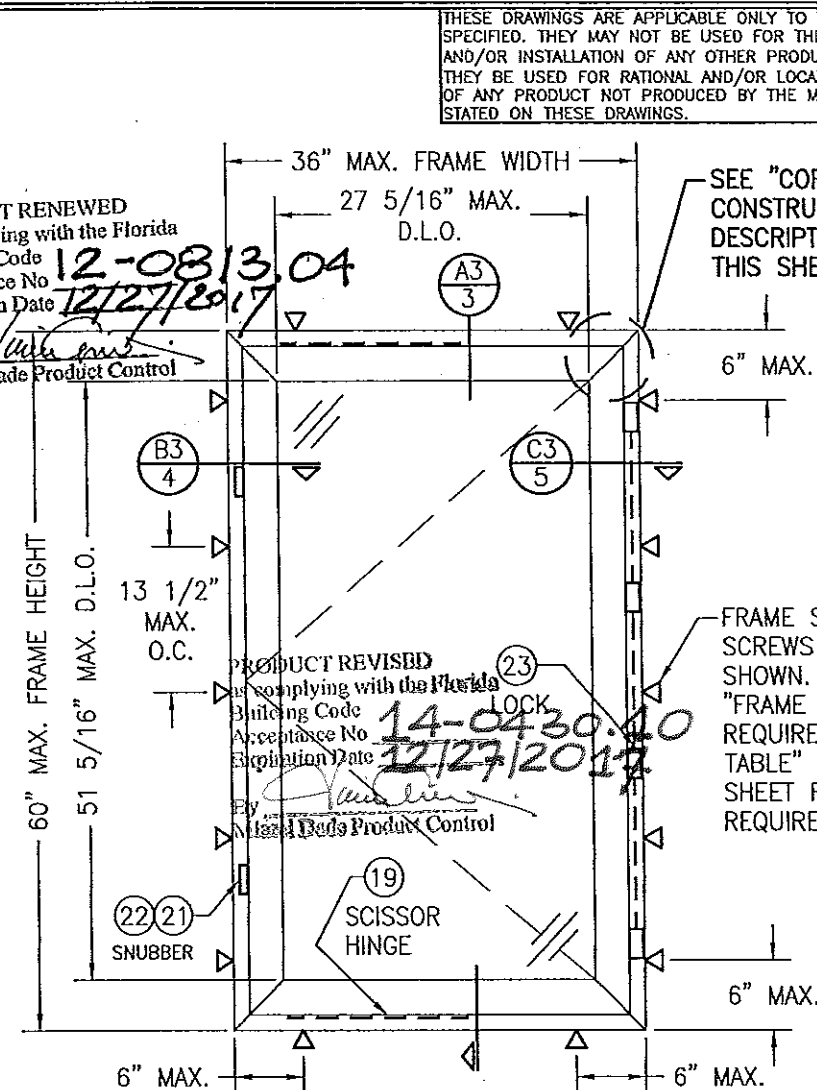
SCALE: 3/4"=1'-0"



**EXTERIOR ELEVATION**  
**SINGLE WINDOW ANCHORED WITH RECEPTOR**

(CAMLOCK & BUTT HINGE CONDITION SHOWN. MULTIPOINT LOCK, SNUBBER & SCISSOR HINGE CONDITION ALSO APPLIES)

SCALE: 3/4"=1'-0"



**EXTERIOR ELEVATION**  
**SINGLE WINDOW DIRECT MOUNTED**  
**WITH FRAME SHEAR SCREWS**  
 (NO RECEPTOR)

(MULTIPOINT LOCK, SNUBBER & SCISSOR HINGE CONDITION SHOWN. CAMLOCK & BUTT HINGE CONDITION ALSO APPLIES)

SCALE: 3/4"=1'-0"

**CORNER CONSTRUCTION:**

**JAMB CORNERS:**

MITERED, JOINED TOGETHER WITH A CORNER KEY, AND SECURED WITH (2) NO. 10 X 3/4" SMS SCREWS PER CORNER KEY AND SEALED WITH DOW 1199 SEALANT.

**SASH CORNERS:**

MITERED, JOINED TOGETHER WITH A CORNER KEY, AND SECURED WITH (2) NO. 10 X 3/4" SMS SCREWS PER CORNER KEY AND SEALED WITH DOW 1199 SEALANT.

**CAMLOCK REQUIREMENTS**

| MAX. WINDOW FRAME HEIGHT | NO. OF LOCK POINTS REQ'D |
|--------------------------|--------------------------|
| 60"                      | 3                        |
| 40"                      | 2                        |

**MULTIPOINT LOCK REQUIREMENTS**

| MAX. WINDOW FRAME HEIGHT | NO. OF LOCK POINTS REQ'D |
|--------------------------|--------------------------|
| 60"                      | 4                        |
| 45"                      | 3                        |
| 30"                      | 2                        |

**SNUBBER REQUIREMENTS**

|                                |
|--------------------------------|
| 2 PER WINDOW; ALL WINDOW SIZES |
|--------------------------------|

**ALLOWABLE DESIGN PRESSURE**

|           |
|-----------|
| +/-90 PSF |
|-----------|

**GENERAL NOTES:**

- THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
- OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
- ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
- THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
- THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
- IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE WINDOWS.
- ALL ANCHORS SECURING WINDOW FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
- DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF  $K_d = 0.85$  MAY BE APPLIED PER THE ASCE-7 STANDARD.
- NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR  $C_d = 1.6$  WAS USED FOR WOOD SCREW ANALYSIS ONLY.
- MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.

**FRAME ANCHOR REQUIREMENTS TABLE**  
 (MOUNTING CLIP, RECEPTOR & MULLION CLIP SCREWS)

| OPENING TYPE (SUBSTRATE)                    | FRAME/CLIP TO OPENING FASTENER TYPE | MINIMUM EMBED | MINIMUM EDGE DIST. |
|---|-------------------------------------|---------------|--------------------|
| 2X WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55) | NO. 14 SMS OR WOOD SCREW            | 1 1/4"        | 3/4"               |
| MIN. 18 GA. 33 KSI METAL STUD               | (2) NO. 14 SELF TAP/DRILLING SCREW  | FULL          | 1/2"               |
| MIN. 1/8" THK A36 STEEL                     | (2) NO. 14 SELF TAP/DRILLING SCREW  | FULL          | 1/2"               |
| MIN. 1/8" THK 6063-T5 ALUM.                 | (2) NO. 14 SELF TAP/DRILLING SCREW  | FULL          | 1/2"               |
| (3) C-90 CMU                                | (1) 1/4" CONCRETE SCREW             | 1 1/4"        | ( )                |
| 2500 PSI CONCRETE                           | (1) 1/4" CONCRETE SCREW             | 1 1/2"        | ( )                |

- CONCRETE SCREWS SHALL BE ELCO ULTRACONS, ELCO CRETE-FLEX, ITW RAMSET/RED HEAD TAPCONS OR HILTI KWIK-CON II (HARDENED STEEL OR S.S.).
- SELF TAP/DRILLING SCREWS SHALL BE GRADE 5 CORROSION RESISTANT STEEL.
- CMU IS APPLICABLE AT SIDES ONLY.

THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

PRODUCT RENEWED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 12-0813.04  
 Expiration Date 12/27/2017  
 By [Signature]  
 Miami Dade Product Control

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 14-0430.40  
 Expiration Date 12/27/2017  
 By [Signature]  
 Miami Dade Product Control

|                  |                             |                            |          |
|------------------|-----------------------------|----------------------------|----------|
| DRAWN BY: W.R.M. |                             | CHECKED BY: W.W.S.         |          |
| PLOT: 1-16       |                             | DATE: 07/09/07             |          |
| NO.              | REVISION                    | DESCRIPTION                | DATE     |
| A1               | UPDATE TO CURRENT STANDARDS | W.R.M.                     | 10/10/11 |
| B1               | ADD GE MOMENTIVE            | W.W.S.                     | 06/27/12 |
|                  |                             | ADDED NEW GLAZING SILICONE |          |

**MANUFACTURER**  
**KAWNEER COMPANY, INC.**  
 555 GUTHRIE COURT  
 NORCROSS, GA 30092  
 770-449-5555

**CONSULTANTS**  
**W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)**  
 7480 150TH COURT NORTH  
 PALM BEACH GARDENS, FL 33418  
 PHONE: 561-744-3424

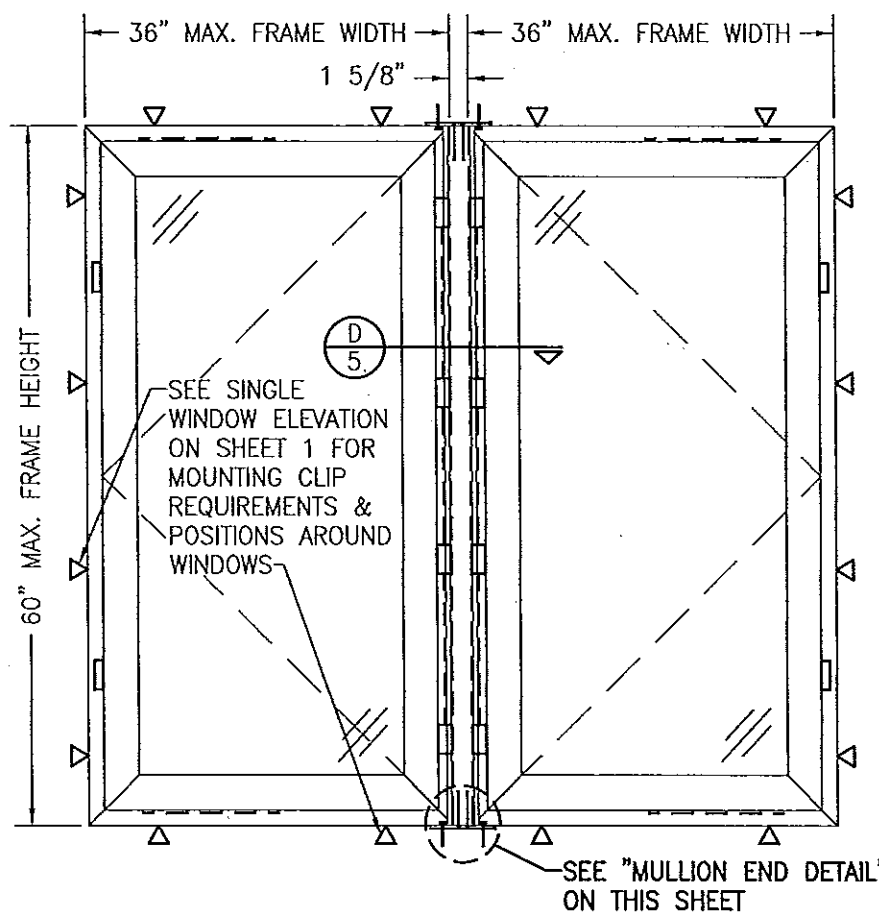
**DRAWING TITLE**  
 AA900 ISOWEB OUT-SWING L.M.I. CASEMENT WINDOW

**CERTIFICATION**  
 I, WARREN W. SCHAEFER, P.E.,  
 LICENSE NO. 44135  
 STATE OF FLORIDA  
 REGISTERED PROFESSIONAL ENGINEER  
 JUN 27 2012

**DRAWING NO.**  
 1545

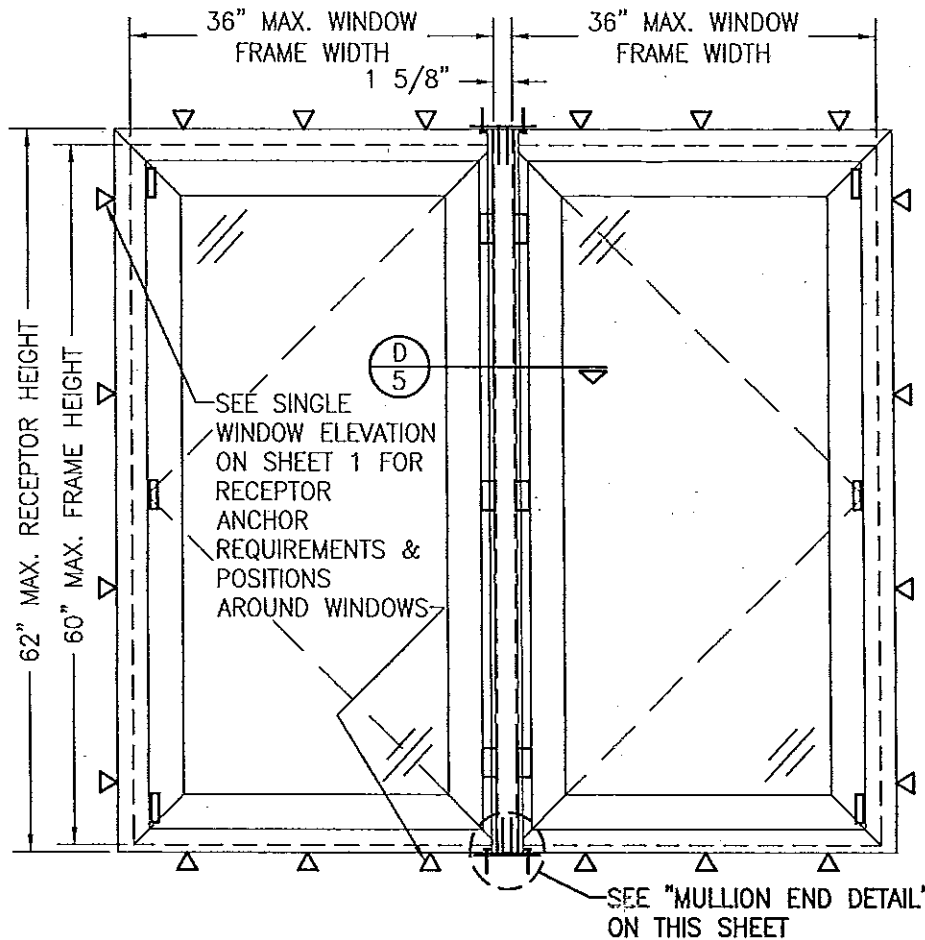
**REV.**  
 B

**SHEET NO.**  
 1 OF 6



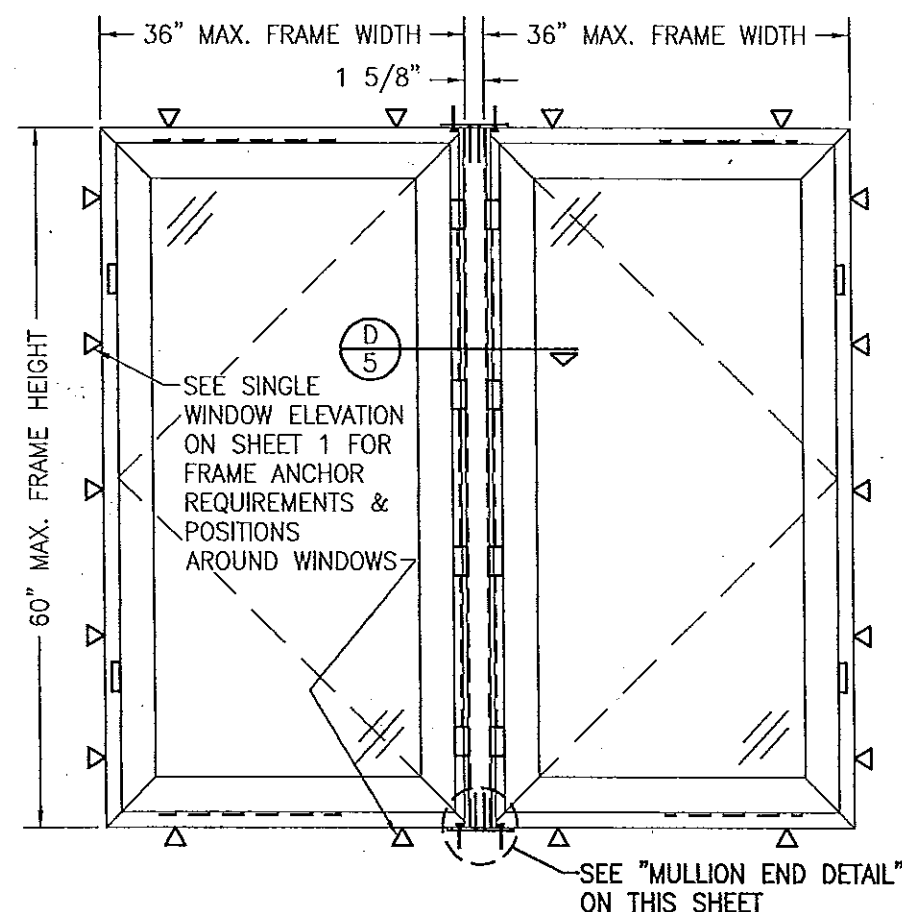
**EXTERIOR ELEVATION**  
**MULTIPLE WINDOWS ANCHORED WITH MOUNTING CLIPS**

(NO RECEPTOR)  
 (MULTIPOINT LOCK, SNUBBER & SCISSOR HINGE CONDITION SHOWN. CAMLOCK & BUTT HINGE CONDITION ALSO APPLIES)  
 SCALE: 3/4"=1'-0"



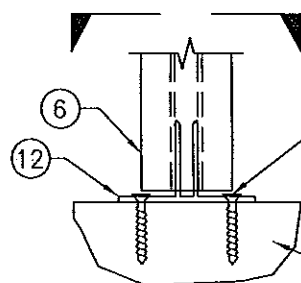
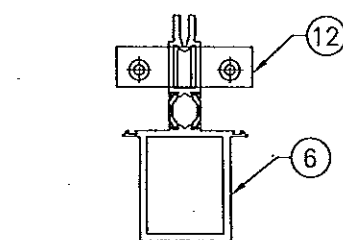
**EXTERIOR ELEVATION**  
**MULTIPLE WINDOWS ANCHORED WITH RECEPTOR**

(CAMLOCK & BUTT HINGE CONDITION SHOWN. MULTIPOINT LOCK, SNUBBER & SCISSOR HINGE CONDITION ALSO APPLIES)  
 SCALE: 3/4"=1'-0"



**EXTERIOR ELEVATION**  
**MULTIPLE WINDOW DIRECT MOUNTED**

(NO RECEPTOR)  
 (MULTIPOINT LOCK, SNUBBER & SCISSOR HINGE CONDITION SHOWN. CAMLOCK & BUTT HINGE CONDITION ALSO APPLIES)  
 SCALE: 3/4"=1'-0"



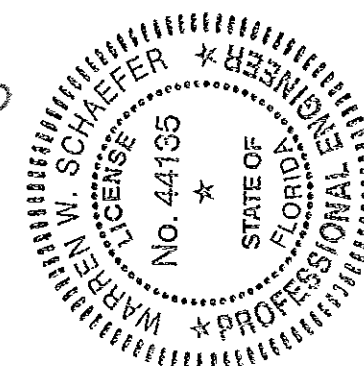
ANCHORS PER "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 (2 PER CLIP)  
 SUBSTRATE BY OTHERS PER FRAME ANCHOR REQUIREMENTS TABLE  
**MULLION END DETAIL**  
 (WINDOW FRAMES NOT SHOWN FOR CLARITY)  
 SCALE: N.T.S.

**MULTIPLE UNIT NOTES:**

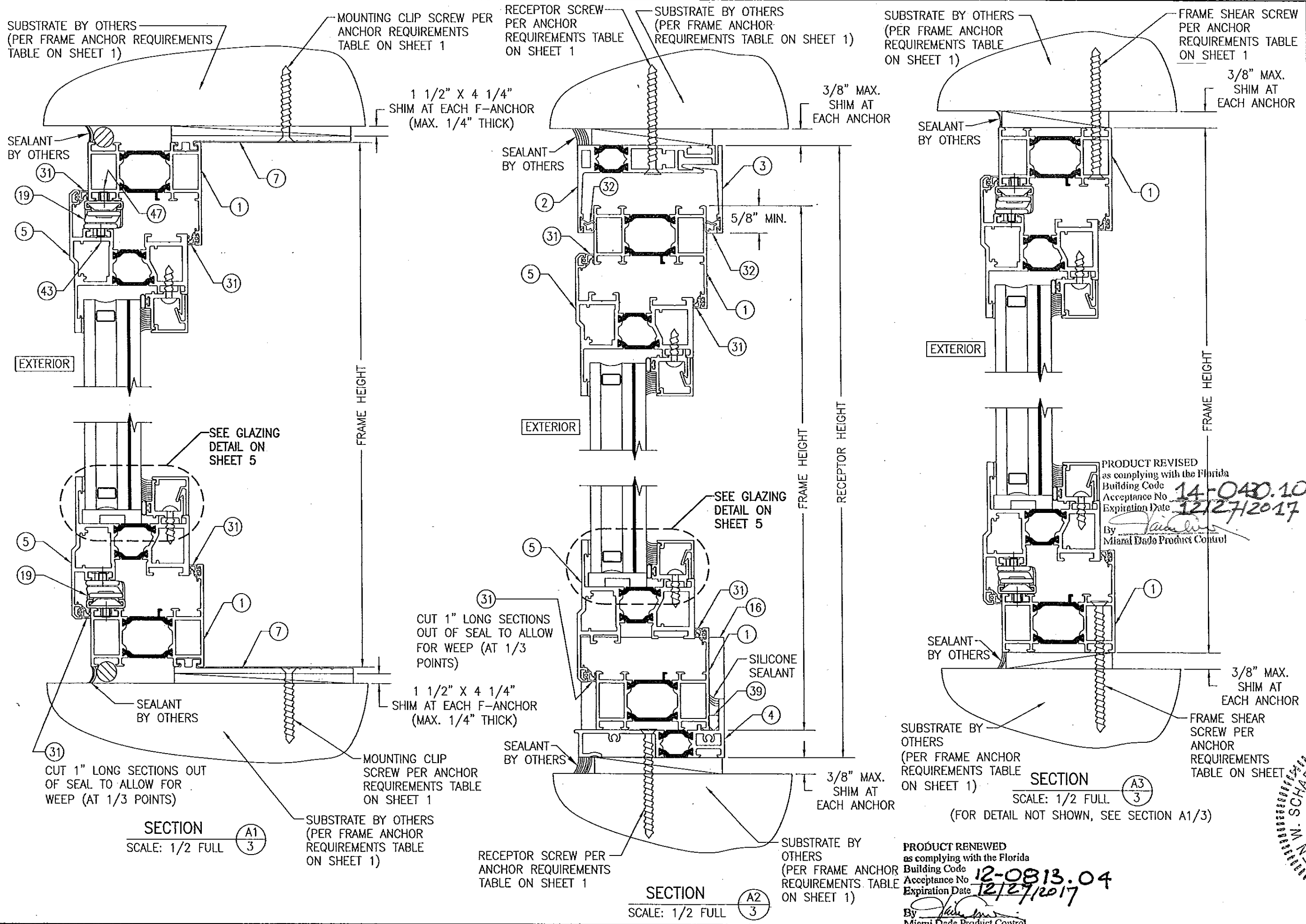
1. FOR ALL DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATION.
2. THERE IS NO LIMIT ON THE NUMBER OF WINDOWS THAT MAY BE COMBINED HORIZONTALLY INTO ONE OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT ALL LOADS TRANSFERRED FROM THE WINDOWS & THEIR MULLIONS.
3. LOCK SIDE OF WINDOWS MAY BE AT MULLION SIDE OR OPENING SIDE.

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 14-0430.10  
 Expiration Date 12/27/2017  
 By *Warren W. Schaefer*  
 Miami Dade Product Control

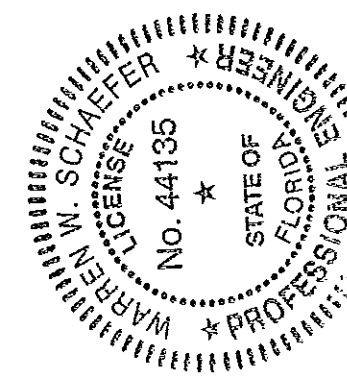
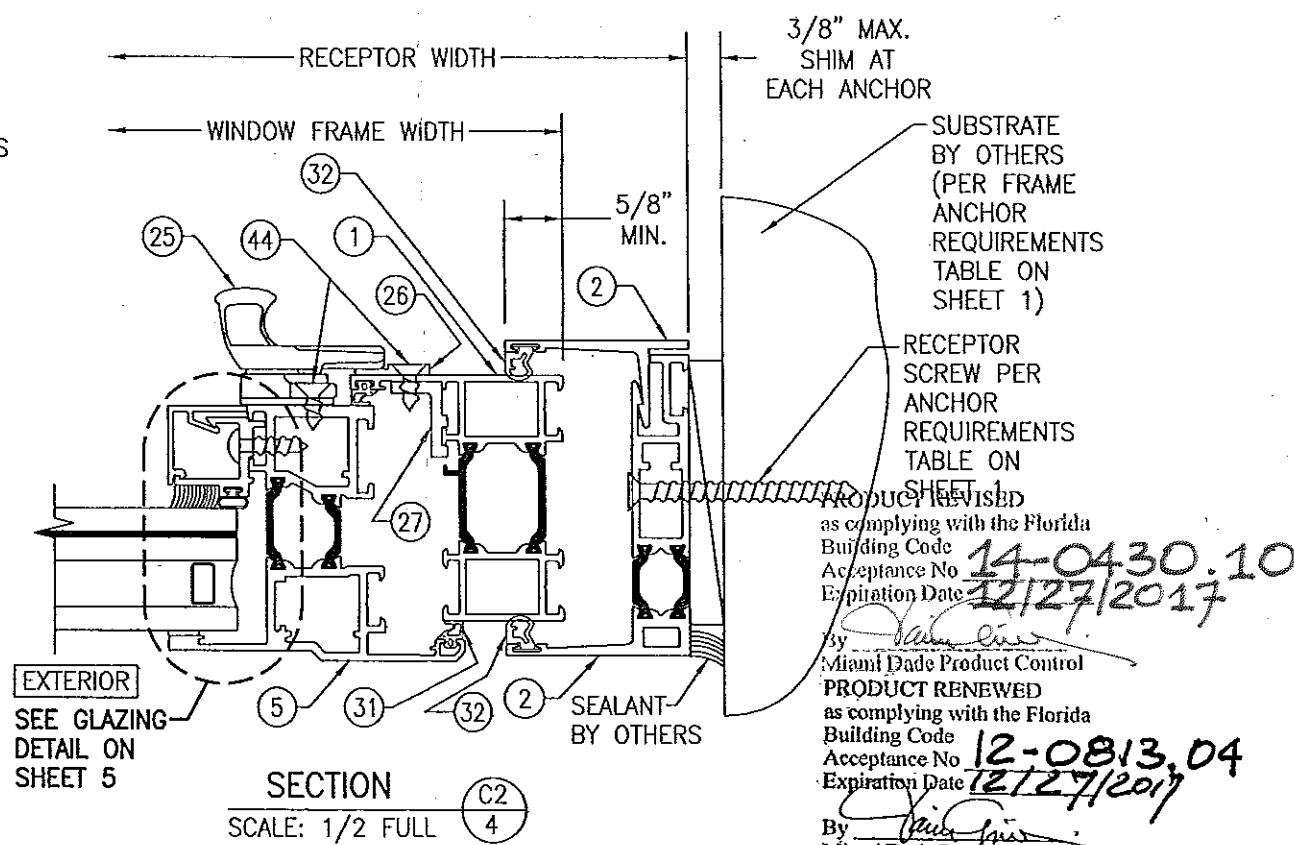
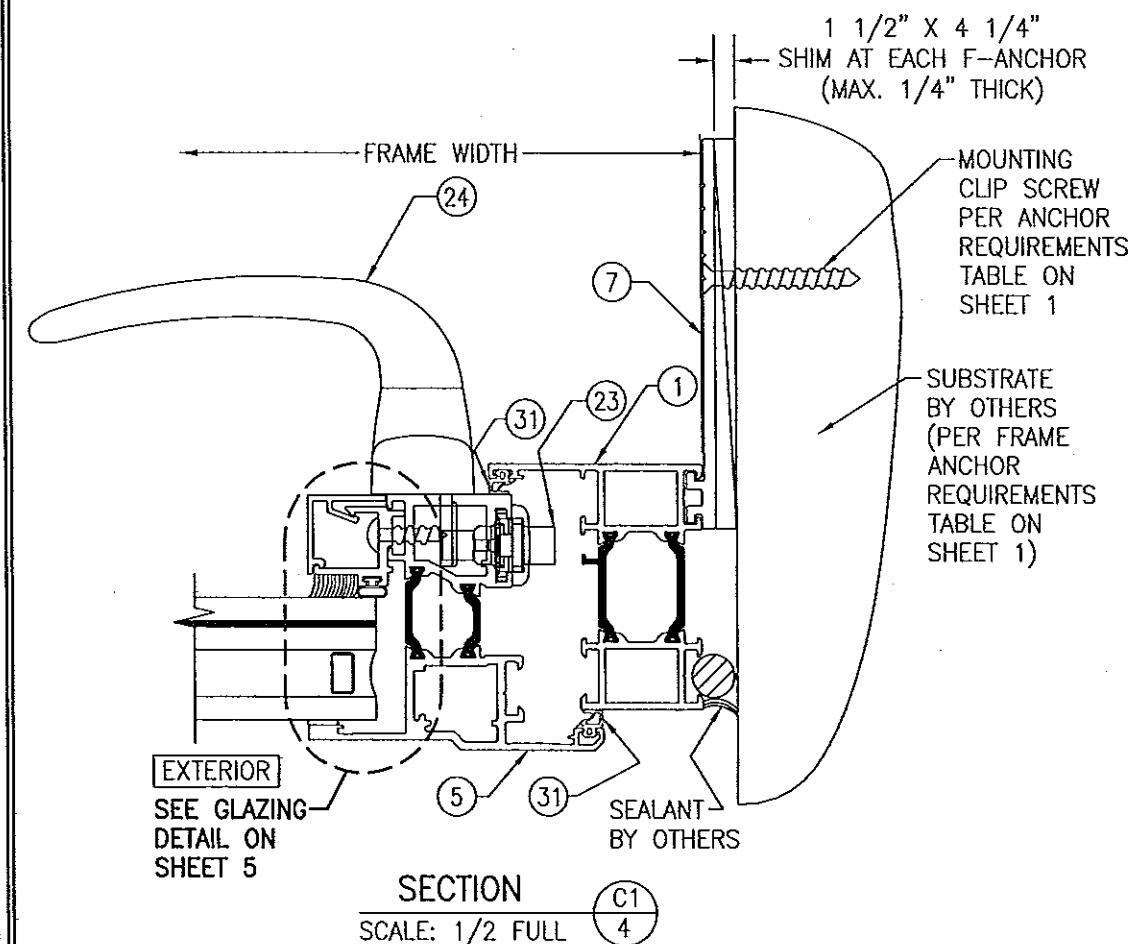
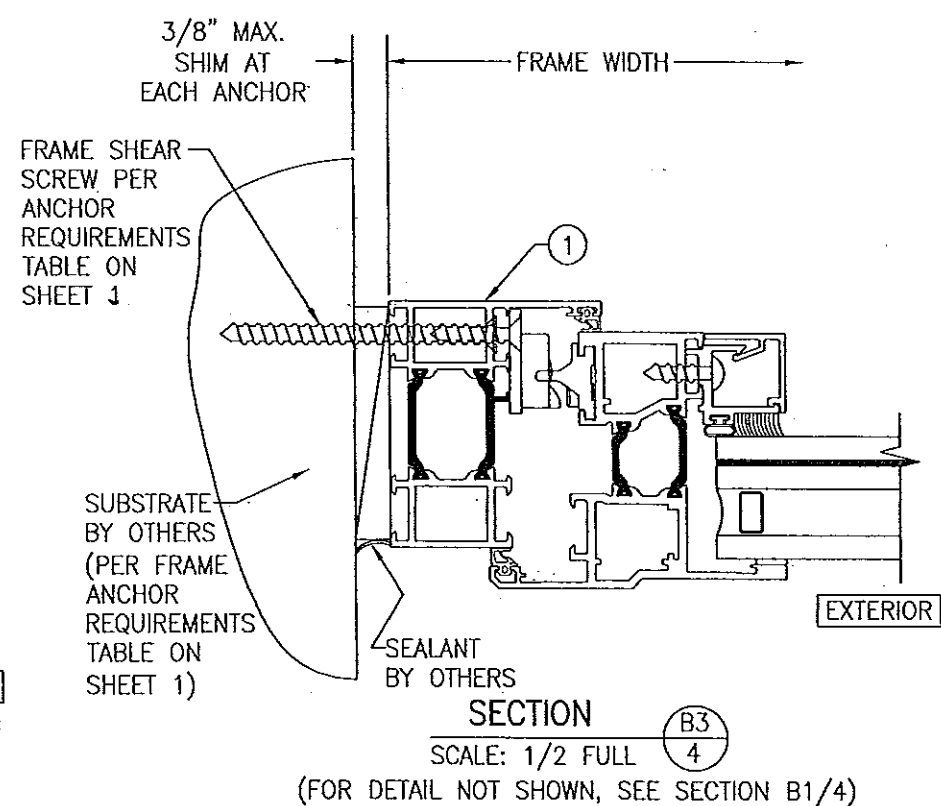
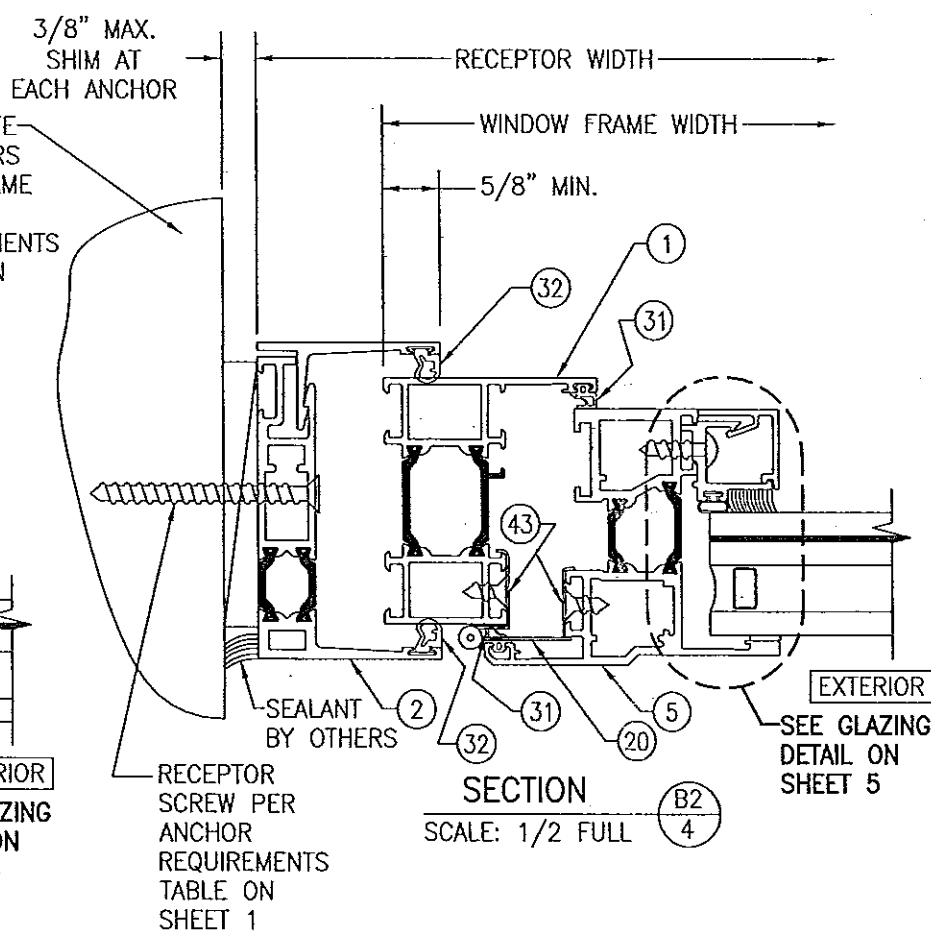
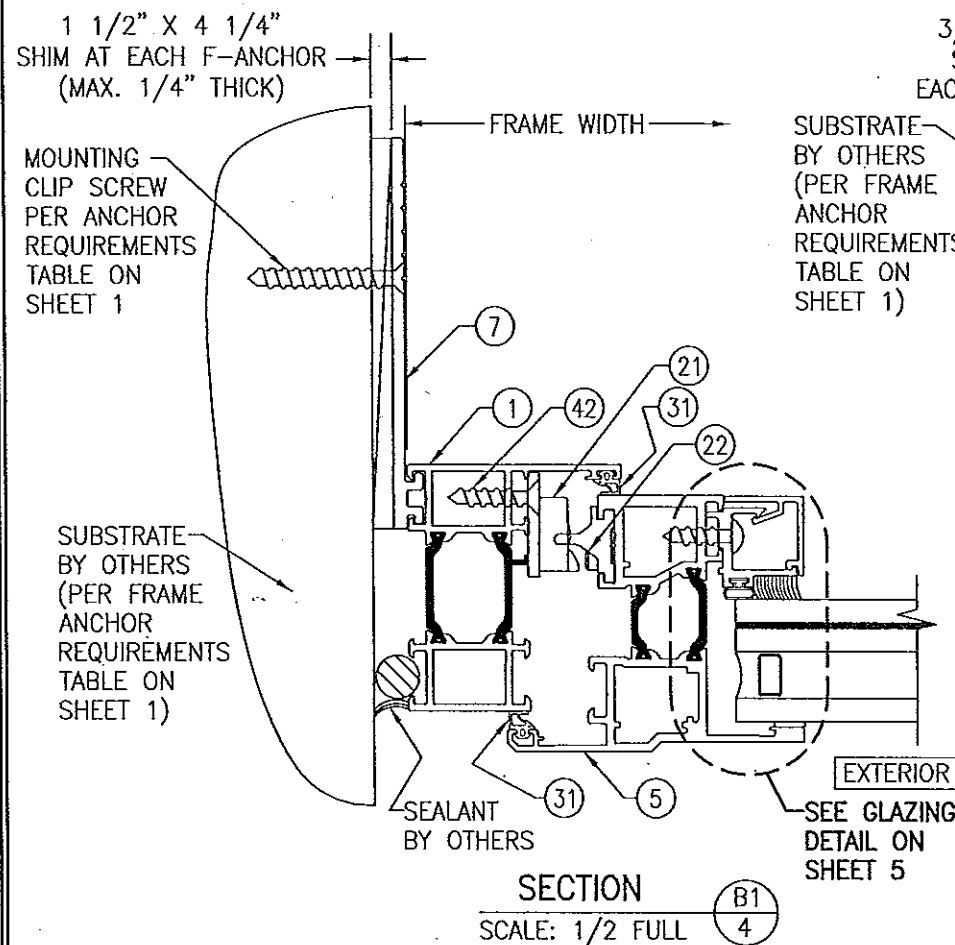
PRODUCT RENEWED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 12-0813.04  
 Expiration Date 12/27/2017  
 By *Warren W. Schaefer*  
 Miami Dade Product Control



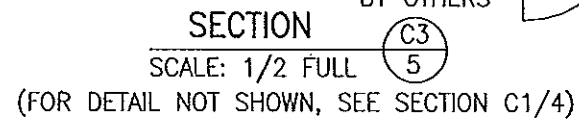
|   |                      |   |      |
|---|----------------------|---|------|
| DRAWN BY: W.R.M.  |                      | CHECKED BY: W.W.S.                                      |      |
| PLOT: 1=16  |                      | DATE: 07/09/07  |      |
| NO.   | REVISION DESCRIPTION | BY  | DATE |
|   |                      |   |      |
|   |                      |   |      |
|   |                      |   |      |
| DRAWING TITLE: AA900 ISOWEB OUT-SWING L.M.I. CASEMENT WINDOW                  |                      |   |      |
| CONSULTANTS   |                      | MANUFACTURER  |      |
| W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)                       |                      | KAWNEER COMPANY, INC.                                   |      |
| 7480 150TH COURT NORTH<br>PALM BEACH GARDENS, FL 33418<br>PHONE: 561-744-3424 |                      | 555 GUTHRIE COURT<br>NORCROSS, GA 30092<br>770-449-5555 |      |
| CERTIFICATION   |                      | REV.  |      |
| JUN 27 2012   |                      | B   |      |
| WARREN W. SCHAEFER, P.E.<br>P.E. NO. 44135                                    |                      | SHEET NO.   |      |
|   |                      | 2 OF 6  |      |



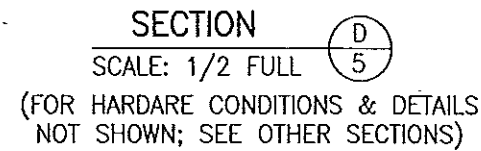
|   |          |  |      |
|---|----------|--|------|
| DRAWN BY:<br>W.R.M.   |          | CHECKED BY:<br>W.W.S.  |      |
| PLOT:<br>1=2  |          | DATE:<br>07/09/07  |      |
| NO.   | REVISION | DESCRIPTION  | DATE |
|   |          |  |      |
|   |          |  |      |
|   |          |  |      |
|   |          |  |      |
| DRAWING TITLE<br>AA900 ISOWEB OUT-SWING L.M.I. CASEMENT WINDOW  |          |  |      |
| CONSULTANTS<br>W. W. SCHAEFER ENGINEERING<br>& CONSULTING, P.A. (CA 6809)<br>7480 150TH COURT NORTH<br>PALM BEACH GARDENS, FL 33418<br>PHONE: 561-744-3424  |          | MANUFACTURER<br>KAWNEER COMPANY, INC.<br>555 GUTHRIE COURT<br>NORCROSS, GA 30092<br>770-449-5555 |      |
| <div style="display: flex; justify-content: space-between;"> <div> <p>PRODUCT REVISED<br/>as complying with the Florida<br/>Building Code<br/>Acceptance No. 14-0420.10<br/>Expiration Date 12/27/2017<br/>By [Signature]<br/>Miami Dade Product Control</p> </div> <div> <p>SECTION A3<br/>SCALE: 1/2 FULL</p> </div> </div> |          |  |      |
| <div style="display: flex; justify-content: space-between;"> <div> <p>PRODUCT RENEWED<br/>as complying with the Florida<br/>Building Code<br/>Acceptance No. 12-0813.04<br/>Expiration Date 12/27/2017<br/>By [Signature]<br/>Miami Dade Product Control</p> </div> <div> <p>SECTION A3<br/>SCALE: 1/2 FULL</p> </div> </div> |          |  |      |
| <div style="display: flex; justify-content: space-between;"> <div> <p>W. W. SCHAEFER<br/>ENGINEERING<br/>&amp; CONSULTING, P.A.<br/>No. 44135</p> </div> <div> <p>DATE: 12/27/2017<br/>BY: [Signature]<br/>W. W. SCHAEFER<br/>ENGINEERING<br/>&amp; CONSULTING, P.A.<br/>No. 44135</p> </div> </div>                          |          |  |      |
| <p>DRAWING NO. 1545</p> <p>SHEET NO. 3 OF 6</p>   |          |  |      |



|  |                       |
|--|-----------------------|
| DRAWN BY:<br>W.R.M.  | CHECKED BY:<br>W.W.S. |
| PLOT:<br>1=2   | DATE:<br>07/09/07     |
| DATE   | BY                    |
| REVISION DESCRIPTION   | NO.                   |
| DRAWING TITLE<br>AA900 ISOWEB OUT-SWING L.M.I. CASEMENT WINDOW   |                       |
| MANUFACTURER<br>KAWNEER COMPANY, INC.<br>555 GUTHRIE COURT<br>NORCROSS, GA 30092<br>770-449-5555   |                       |
| CONSULTANTS<br>W. W. SCHAEFER ENGINEERING<br>& CONSULTING, P.A. (CA 6809)<br>7480 150TH COURT NORTH<br>PALM BEACH GARDENS, FL 33418<br>PHONE: 561-744-3424 |                       |
| CERTIFICATION  | REV. B                |
| DRAWING NO.<br>1545  | SHEET NO.<br>4 OF 6   |

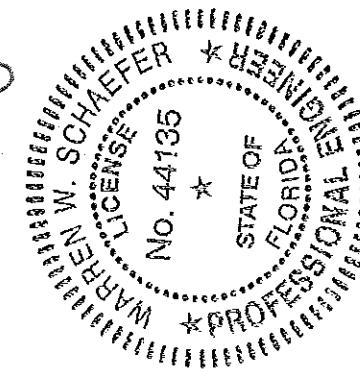



GLASS OPTION 1: 1 5/16" LAMINATED I.G. (1/4"  
HT.ST./0.075" SOLUTIA VANCEVA/1/4" HT.ST. INTERIOR;  
1/2" AIR SPACE; 1/4" TEMP. EXTERIOR)  
GLASS OPTION 2: 1 5/16" LAMINATED I.G. (1/4"  
HT.ST./0.10" SOLUTIA SAFLEX HP/1/4" HT.ST. INTERIOR;  
1/2" AIR SPACE; 1/4" TEMP. EXTERIOR)  
GLASS OPTION 3: 1 5/16" LAMINATED I.G. (1/4"  
HT.ST./0.090" DUPONT SG/1/4" HT.ST. INTERIOR; 1/2"  
AIR SPACE; 1/4" TEMP. EXTERIOR)  
GLASS OPTION 4: 1 5/16" LAMINATED I.G. (1/4"  
HT.ST./0.090" SOLUTIA SALFEX IIIIG PVB/1/4" HT.ST.  
INTERIOR; 1/2" AIR SPACE; 1/4" TEMP. EXTERIOR)  
GLASS OPTION 5: 1 5/16" LAMINATED I.G. (1/4"  
HT.ST./0.090" DUPONT BUTICITE PVB/1/4" HT.ST.  
INTERIOR; 1/2" AIR SPACE; 1/4" TEMP. EXTERIOR)

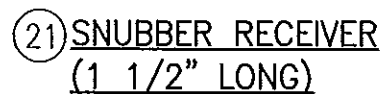
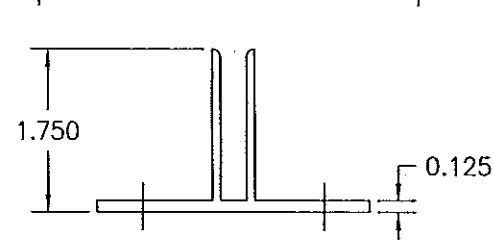
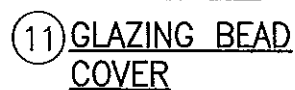
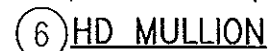
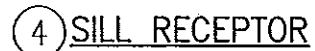


PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. **14-0430.1C**  
Expiration Date **12/27/2017**  
By *[Signature]*  
Miami Dade Product Control

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 12-0813.04  
Expiration Date 12/27/2017  
By [Signature]  
Miami Dade Product Control

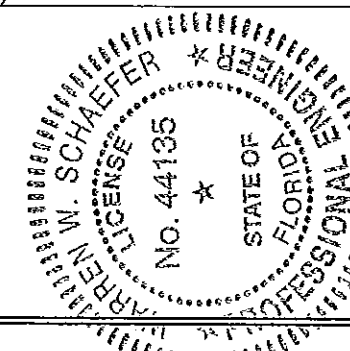


|   |          |  |    |
|---|----------|--|----|
| DRAWN BY:<br>W.R.M.   |          | CHECKED BY:<br>W.W.S.                      |    |
| PLOT:<br>1=2  |          | DATE:<br>07/09/07                          |    |
| NO.   | REVISION | DESCRIPTION                                | BY |
|   |          |  |    |
|   |          |  |    |
|   |          |  |    |
|   |          |  |    |
|   |          |  |    |
|   |          |  |    |
|   |          |  |    |
| <div> <div> AA900 ISOWEB OUT-SWING L.M.I. CASEMENT WINDOW </div> <div> CONSULTANTS<br/> <b>W. W. SCHAEFER ENGINEERING<br/>&amp; CONSULTING, P.A. (CA 6809)</b><br/> 7480 150TH COURT NORTH<br/> PALM BEACH GARDENS, FL 33418<br/> PHONE: 561-744-3424 </div> <div> MANUFACTURER<br/> <b>KAWNEER COMPANY, INC.</b><br/> 555 GUTHRIDGE COURT<br/> NORCROSS, GA 30092<br/> 770-449-5555 </div> </div>                    |          |  |    |
| <div> <div> DRAWING TITLE<br/> AA900 ISOWEB OUT-SWING L.M.I. CASEMENT WINDOW </div> <div> CONSULTANTS<br/> <b>W. W. SCHAEFER ENGINEERING<br/>&amp; CONSULTING, P.A. (CA 6809)</b><br/> 7480 150TH COURT NORTH<br/> PALM BEACH GARDENS, FL 33418<br/> PHONE: 561-744-3424 </div> <div> MANUFACTURER<br/> <b>KAWNEER COMPANY, INC.</b><br/> 555 GUTHRIDGE COURT<br/> NORCROSS, GA 30092<br/> 770-449-5555 </div> </div> |          |  |    |
| CERTIFICATION<br><br>JUN 27 2012   |          | WARREN W. SCHAEFER, P.E.<br>P/E. NO. 44135 |    |
| DRAWING NO.<br>1545   |          | REV.<br>B                                  |    |
| SHEET NO.<br>5 OF 6   |          |  |    |



PRODUCT REVISED  
as complying with the Florida  
Building Code 14-0  
Acceptance No.  
Expiration Date 12/27  
By *[Signature]*  
Miami Dade Product Control

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 12-0813.04  
Expiration Date 12/27/2017  
By *[Signature]*  
Miami Dade Product Control

[illegible]